

B. Amendments to the Claims:

Please replace the pending claims with the following:

1. (currently amended) A purified leptin peptide ~~≤15 amino acids long, having a~~ consisting of the amino acid sequence selected from the group consisting of SEQ ID NOS: 2-10 and 18, wherein said peptide is a substantially homogenous preparation, and wherein said ~~leptin~~ peptide modulates body mass.
2. (originally presented) The leptin peptide of claim 1, wherein the leptin peptide does not bind to the leptin receptor.
3. (originally presented) The leptin peptide of claim 1, wherein the leptin peptide can cross the blood brain barrier.
4. (canceled)
5. (withdrawn)
- 6 (canceled)
7. (Allowed) A purified peptide which is an OB-3 peptide selected from the group consisting of: amino acid residues ¹¹⁶Ser-Cys-Ser-Leu-Pro-Gln-Thr¹²² of mouse leptin protein (SEQ ID NO:2) and ¹¹⁶Ser-Cys-His-Leu-Pro-Trp-Ala¹²² of human leptin protein (SEQ ID NO:18).
- 8-11. (canceled)
12. (currently amended) A An isolated leptin peptide consisting ~~essentially~~ of an amino acid sequence selected from the group consisting of:
 - (i) ~~— amino acids 21-35 (SEQ ID NO:3);~~
 - (ii) ~~— amino acids 31-45 (SEQ ID NO:4);~~
 - (iii) ~~— amino acids 41-55 (SEQ ID NO:5);~~
 - (iv) ~~— amino acids 51-65 (SEQ ID NO:6);~~
 - (v) ~~— amino acids 61-75 (SEQ ID NO:7);~~
 - (vi) ~~— amino acids 71-85 (SEQ ID NO:8);~~
 - (vii) ~~— amino acids 81-95 (SEQ ID NO:9);~~
 - (viii) ~~— amino acids 91-105 (SEQ ID NO:10);~~

~~(ix) — amino acids 116-122 (SEQ ID NO:2); and~~

~~(x) — amino acids 116-122 (SEQ ID NO:18) wherein said peptide reduces food intake.~~

13-17. (canceled)

18. (previously amended) A composition comprising the leptin peptide of claim 1, and a pharmaceutically acceptable carrier.

19-42. (canceled)

43-44. (withdrawn)

45. (canceled)

46-47. (withdrawn)

48. (canceled)

49-55. (withdrawn)

56. (canceled)

57-60. (withdrawn)

61. (currently amended) A purified leptin peptide consisting ~~essentially~~ of the amino acid ~~residue~~ sequence selected from the group consisting of SEQ ID NOS: 2, 8, 10 and 18.